

**ABSTRACT OF THE DISCLOSURE**

A front and rear wheel drive vehicle having front and rear wheel pairs one of which is driven with an engine and the other of which is driven with an electric motor. The vehicle has a control device including a target drive-power unit which sets a target drive-power responsive to operating conditions of the vehicle and a motor-assist-mode drive-power distribution-ratio setting unit which sets a drive-power distribution-ratio between an engine drive-power and a motor drive-power according to an energy efficiency index value indicating the degree of contribution to fuel consumption based on the target drive-power and a vehicle speed. In addition the vehicle includes an electric-power-generation running-mode drive-power distribution-ratio setting unit which sets a charging-mode distribution ratio, between the engine drive-power and the motor drive-power, responsive to an energy loss index value indicating the degree of contribution to fuel consumption during a charging-mode that is on the basis of the target drive-power and the vehicle speed.